U.S. Department of Commerce, Patent and Trademark Office	Atty Docket No.	Serial No.
	M-8915 US	09/839,637
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Applicants	
(Use several sheets if necessary)	Mohammad H. S. Amin et al.	
	Filing Date	Group
	April 20, 2001	Unknown

OIPE MAY 14 2001 PATENT & TRADEMARK OFFICE

U.S. Patent Documents

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
SW	AA	5,917,322	Jun. 29, 1999	Gershenfeld et al.	324	307	

Foreign Patent Documents

		Document	Date	Country	Class	Subclass	Translation Yes	Translation No
	AB							

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

SW	AC	Blatter, G. et al., "Design aspects of superconducting-phase quantum bits", *The American Physical Society* (2001) Vol. 63, Pages 174511-1 to 174511-9.
SW	AD	Briegel, H.-J. et al., "Quantum repeaters for communication" (1998), Pages 1-8.
SW	AE	Bruder, C. et al., "Tunnel junctions of unconventional superconductors", *The American Physical Society* (1995) Vol. 51, Pages 904-907.
SW	AF	Chrestin, A. et al., "Evidence for a proximity-induced energy gap in Nb/InAs/Nb junctions", *The American Physical Society* (1997) Vol. 55, Pages 8457-8465.
SW	AG	Dana, A. et al., "Electrostatic force spectroscopy of a single InAs quantum dot" (2001), Pages 1-5.
SW	AH	Feynman, R., "Simulating Physics with Computers", *International Journal of Theoretical Physics* (1982) Vol. 21, Pages 467-488.
SW	AI	Grover, L., "A fast quantum mechanical algorithm for database search", Pages 1-8.
SW	AJ	Havel, T. et al., "Principles and demonstrations of quantum information processing by NMR spectroscopy" (1999), Pages 1-42.
SW	AK	Jacobs, A. et al., "Proximity Effect, Andreev Reflections, and Charge Transport in Mesoscopic Superconducting-Semiconducting Heterostructures" (1998) eight pages..
SW	AL	Jones, J. et al., "Implementation of a quantum search algorithm on a quantum computer", *Nature* (1998) Vol. 393, Pages 344-346.

Examiner SW | Date Considered 10-20-2003

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

OIPE
MAY 14 2001
PATENT & TRADEMARK OFFICE
TC 1700

U.S. Department of Commerce, Patent and Trademark Office	Atty Docket No.	Serial No.
	M-8915 US	09/839,637
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Applicants	
(Use several sheets if necessary)	Mohammad H. S. Amin et al.	
	Filing Date	Group
	April 20, 2001	Unknown

U.S. Patent Documents

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA						

Foreign Patent Documents

							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
	AB							

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

Sww	AC	Joyez, P. et al., "Observation of Parity-Induced Suppression of Josephson Tunneling in the Superconducting Single Electron Transistor", *The American Physical Society* (1994) Vol. 72, Pages 2458-2461.
Sww	AD	Kitaev, A., "Quantum measurements and the Abelian Stabilizer Problem" (1995) Pages 1-22.
Sww	AE	Knill, E. et al., "Resilient Quantum Computation", *Science* (1998) Vol. 279, Pages 342-345.
Sww	AF	Korotkov, A. et al., "Charge sensitivity of radio frequency single-electron transistor", *American Institute of Physics* (1999) Vol. 74, Pages 4052-4054.
Sww	AG	Lachenmann, S. et al., "Charge transport in superconductor/semiconductor/normal-conductor step junctions", *The American Physical Society* (1997) Vol. 56, Pages 108-115.
Sww	AH	Mooij, J. et al., "Josephson Persistent-Current Qubit", *Science* (1999) Vol. 285, Pages 1036-1039.
Sww	AI	Nakamura, Y. et al., "Coherent control of macroscopic quantum states in a single-Cooper-pair box", *Nature* (1999), Vol. 398, Pages 786-788.
Sww	AJ	Omelyanchouk, A. et al., "Ballistic Four-Terminal Josephson Junction: Bistable States and Magnetic Flux Transfer" (1999) Pages 1-11 with six pages of drawings.
Sww	AK	Ouboter, R. et al., "Macroscopic quantum interference effects in superconducting multiterminal microstructures", *Academic Press* (1999) Vol. 25, Pages 1005-1017.
Sww	AL	Ryazanov, V. et al., "Coupling of two superconductors through a ferromagnet: evidence for a η junction"(2000) Pages 1-6.

Examiner [signature] | Date Considered 10-20-2003

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

OIPE
MAY 14 2001
PATENT & TRADEMARK OFFICE
TC 1811

U.S. Department of Commerce, Patent and Trademark Office	Atty Docket No.	Serial No.
	M-8915 US	09/839,637
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Applicants	
(Use several sheets if necessary)	Mohammad H. S. Amin et al.	
	Filing Date	Group
	April 20, 2001	Unknown

U.S. Patent Documents

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA						

Foreign Patent Documents

							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
	AB							

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

Sm	AC	Schoelkopf, R. et al., "The Radio-Frequency Single-Electron Transistor (RF-SET): A Fast and Ultrasensitive Electrometer", *Science* (1998), Vol. 280, Pages 1238-1242.
Sm	AD	Schulz, R. et al., "Design and realization of an all d-wave dc η-superconducting quantum interference device", *American Institute of Physics* (2000), Vol. 76, Pages 912-914.
Sm	AE	Shor, P., "Introduction to Quantum Algorithms" (2000) Pages 1-23.
Sm	AF	Shor, P., "Polynomial-Time Algorithms For Prime Factorization And Discrete Logarithms On A Quantum Computer", Pages 1-26.
Sm	AG	Shor, P., "Polynomial-Time Algorithms For Prime Factorization And Discrete Logarithms On A Quantum Computer", *Society for Industrial and Applied Mathematics* (1997) Vol. 26, Pages 1484-1509.
Sm	AH	Tafuri, F. et al., "Feasibility of biepitaxial $YBa_2Cu_3O_{7-x}$Josephson junctions for fundamental studies and potential circuit implementation", *The American Physical Society* (2000) Vol. 62, Pages 431-438.
Sm	AI	Vandersypen, L. et al., "Experimental Realization of an Order-Finding Algorithm with an NMR Quantum Computer", *The American Physical Society* (2000) Vol. 25, Pages 5452-5455.
Sm	AJ	Vleeming, B., "The Four-terminal SQUID", Pages 1-100.
Sm	AK	Volkov, A. et al., "Phase-coherent effects in multiterminal superconductor/normal metal mesoscopic structures" (2000), Pages 1-6.
Sm	AL	Ye, P. et al., "High Magnetic Field Microwave Conductivity of 2D Electrons in an Array of Antidots" (2001), Pages 1-4.

Examiner Sm Date Considered 10-20-2003

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.